

## Contents of volume 28

### Number 1, 27 March 1990

Effects of neuropeptide Y and noradrenaline on uterine artery blood pressure and blood flow velocity in the pregnant guinea-pig <i>G. Fried and M. Thoresen (Sweden)</i>	1
Canine neurotensin, neurotensin <sup>6-13</sup> and neuromedin N: primary structures and receptor activity <i>S. P. Mitra, K. Muraki, D. R. Brown, A. M. Parsons and R. E. Carraway (U.S.A.)</i>	11
Tonic suppression of baroreceptor reflex by endogenous neurotensin in the rat <i>C.-T. Chen, J. Y. H. Chan, C. D. Barnes and S. H. H. Chan (Republic of China, U.S.A.)</i>	23
N-terminally extended substance P is released together with substance P from rat spinal cord <i>G. Toresson, C. de las Carreras, L. Bertilsson and E. Brodin (Sweden)</i>	39
Gastrin-releasing peptide: neuronal distribution and spatial relation to endocrine cells in the human upper gut <i>M. Sjövall, E. Ekblad, L. Lundell and F. Sundler (Sweden)</i>	47
Bombesin-like immunoreactive material in the gut, and the effect of bombesin on the stomach circulatory system of an elasmobranch fish, <i>Squalus acanthias</i> <i>C. Bjønning, A.-C. Jönsson and S. Holmgren (Sweden)</i>	57
Limited proteolysis of the vasoactive intestinal peptide receptor: comparison of its folded structure in the membrane-bound and detergent-solubilized states <i>S. A. Provow and G. Veliçelebi (U.S.A.)</i>	71
Systemic administration of kainic acid produces elevations in TRH in rat central nervous system <i>M. S. Kreider, B. L. Wolfinger and A. Winokur (U.S.A.)</i>	83
Dynamic of the GRF-induced GH response in genetically obese Zucker rats: influence of central and peripheral factors <i>G. Renier, P. Gaudreau, N. Deslauriers, D. Petitclerc and P. Brazeau (Canada)</i>	95
Evidence that gastrin enhances <sup>45</sup> Ca uptake into bone through release of a gastric hormone <i>R. Håkanson, P. Persson, J. Axelsson, O. Johnell and F. Sundler (Sweden)</i>	107
Sensitivity of spontaneously hypertensive and of Wistar Kyoto rats to the antidipsogenic action of eledoisin <i>P. Pompei, C. Polidori, M. Perfumi and M. Massi (Italy)</i>	119

### Number 2, 24 April 1990

Announcement from the Publisher	iii
Elevated serum gastrin after food intake or acid blockade evokes hypocalcemia <i>R. Håkanson, P. Persson and J. Axelsson (Sweden)</i>	131

Gastrointestinal motor effects of corticotropin-releasing factor in mice <i>R. J. Sheldon, Q. Jiang, F. Porreca and L. A. Fisher (U.S.A.)</i>	137
Desmopressin, but not vasopressin, decreases activity of the hypothalamo-neurohypophysial system in Brattleboro rats <i>M. Kadekaro, E. Nerro-Lindquist, M. L. Terrell, S.M. Kelly, S. Freeman, P. M. Gross and H. M. Eisenberg (U.S.A., Canada)</i>	153
Galanin in the porcine pancreas <i>T. Messell, H. Harling, G. Böttcher, A. H. Johnsen and J. J. Holst (Denmark, Sweden)</i>	161
Colocalization of peptides and a catecholamine-synthesizing enzyme in intramural neurones of the newborn guinea-pig urinary bladder in culture <i>S. James and G. Burnstock (U.K.)</i>	177
Rat pancreastatin inhibits both pancreatic exocrine and endocrine secretions in rats <i>K. Miyasaka, A. Funakoshi, Y. Yasunami, R. Nakamura, K. Kitani, H. Tamamura, S. Funakoshi and N. Fujii (Japan)</i>	189
The effects of separate or combined infusions of corticotrophin-releasing factor and vasopressin either intraventricularly or into the amygdala on aggressive and investigative behaviour in the rat <i>D. R. Elkabir, M. E. Wyatt, S. V. Vellucci and J. Herbert (U.K.)</i>	199
Somatostatin immunohistochemistry of hippocampal slices with Lucifer Yellow-stained pyramidal neurons responding to somatostatin <i>M. Joëls, S. G. Madamba, S. D. Moore, J. H. Morrison and G. R. Siggins (U.S.A., The Netherlands)</i>	215
Characterization of gastrin amidation in the rat and porcine antrum: comparison with the pituitary <i>C. J. Dickinson and T. Yamada (U.S.A.)</i>	223
Cerebrospinal fluid immunoreactive $\beta$ -endorphin concentration is increased by voluntary exercise in the spontaneously hypertensive rat <i>P. Hoffmann, L. Terenius and P. Thorén (Sweden)</i>	233

### Number 3, 21 May 1990

Bombesin-like peptides stimulate gastrin release from isolated rat G-cells <i>W. Schepp, C. Prinz, R. Håkanson, V. Schusdziarra and M. Classen (F.R.G., Sweden)</i>	241
Local cerebral blood flow following the intrastriatal administration of vasoactive intestinal peptide or peptide histidine isoleucine in the rat <i>U. I. Tuor, L. Edvinsson, P. A. T. Kelly and J. McCulloch (Canada, Sweden, U.K.)</i>	255
Gallbladder CCK receptors: species differences in glycosylation of similar protein cores <i>B. Schjoldager, X. Molero and L. J. Miller (U.S.A.)</i>	265
Renal uptake and excretion of epidermal growth factor from plasma in the rat <i>P. E. Jørgensen, T. N. Rasmussen, P. S. Olsen, L. Raaberg, S. S. Poulsen and E. Nexø (Denmark)</i>	273
Differential patterns of relaxation by synthetic atrial peptide (APII) in the pulmonary artery, ascending and distal abdominal aorta <i>S. Aardal, M. Bråtevit and K. B. Helle (Norway)</i>	283

Influence of somatostatin and epidermal growth factor (EGF) on the proliferation of thyroid follicular cells in organ culture <i>G. Zerek-Meleń, A. Lewiński and M. Szkudliński (Poland)</i>	293
The immunostaining for the hypothalamic vasoactive intestinal peptide, but not for $\beta$ -endorphin, dynorphin-A or methionine-enkephalin, is affected by the glucocorticoid milieu in the rat: correlation with the prolactin secretion <i>H. Watanobe (U.S.A.)</i>	301
Receptor type for cholecystokinin on isolated intestinal muscle cells of the guinea pig <i>G. Morini, E. Barocelli, M. Impicciatore, J. R. Grider and G. M. Makhoul (Italy, U.S.A.)</i>	313
Regional distribution of neuropeptide $\gamma$ and other tachykinin peptides derived from the substance P gene in the rat <i>Y. Takeda, J. Takeda, B. A. Smart and J. E. Krause (U.S.A.)</i>	323
Announcements	334
Author index	336
Key word index	339